

Fig. 1

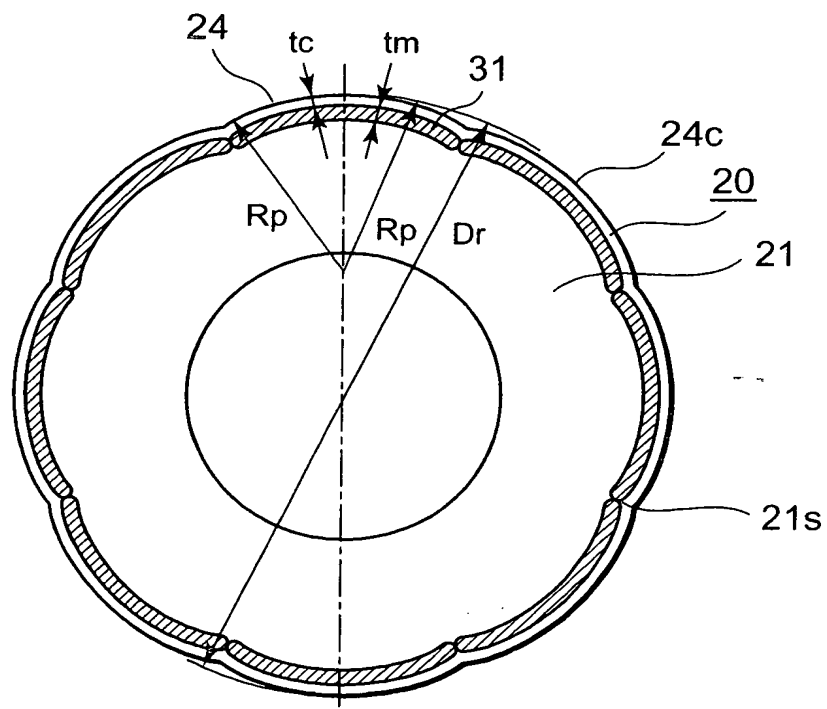
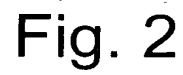


Fig. 3

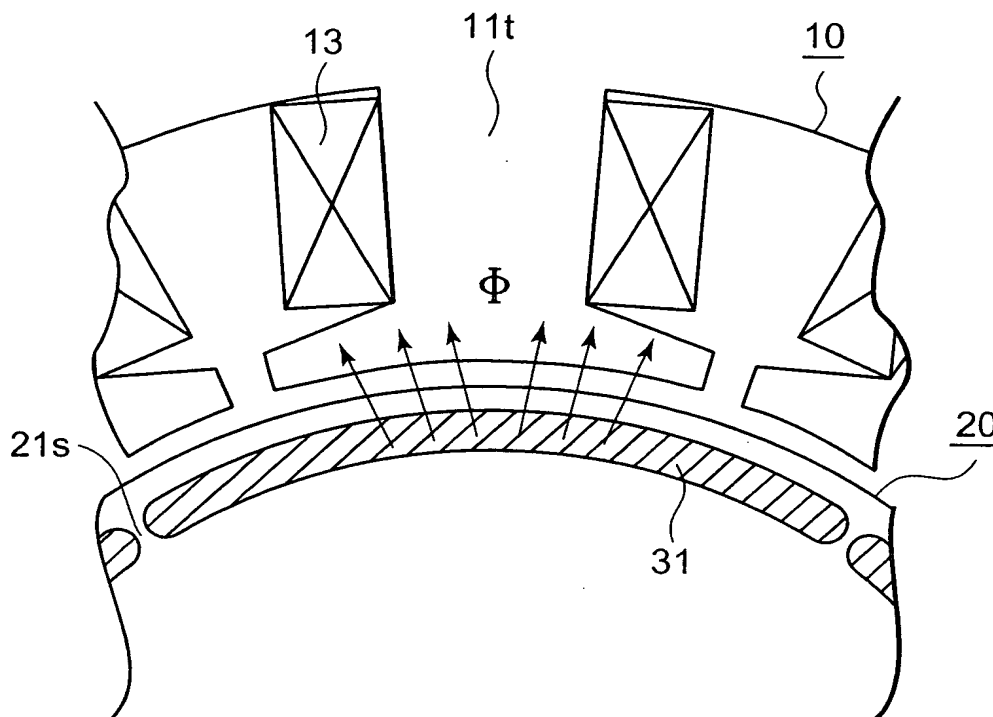


Fig. 4

| FEATURES                          | EMBODIMENT1 | CONVENTIONAL ART |
|-----------------------------------|-------------|------------------|
| ROTOR SHEATH THICKNESS $t_c$ (mm) | 0.5         | 5(MAX)           |
| MAGNET THICKNESS $t_m$ (mm)       | 3           | 3                |
| MAGNET THICKNESS RATIO $t_c/t_m$  | 0.167       |                  |
| ROTOR ARC RADIUS $R_p$ (mm)       | 29.1        | 29.1             |
| ROTOR MAXIMUM DIAMETER $D_r$ (mm) | 107         | 107              |
| ROTOR DIAMETER RATIO $R_p/D_r$    | 0.272       | 0.272            |
| COGGING TORQUE RELATIVE VALUE     | 1.0         | 3.267            |
| TORQUE LINEARITY RELATIVE VALUE   | 1.059       | 0.6497           |

Fig. 5

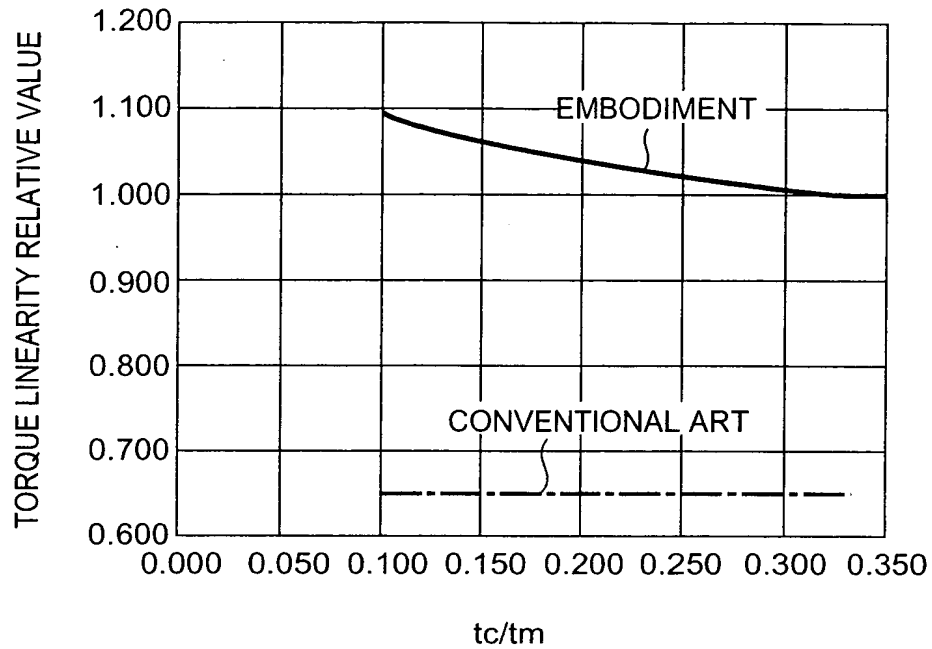
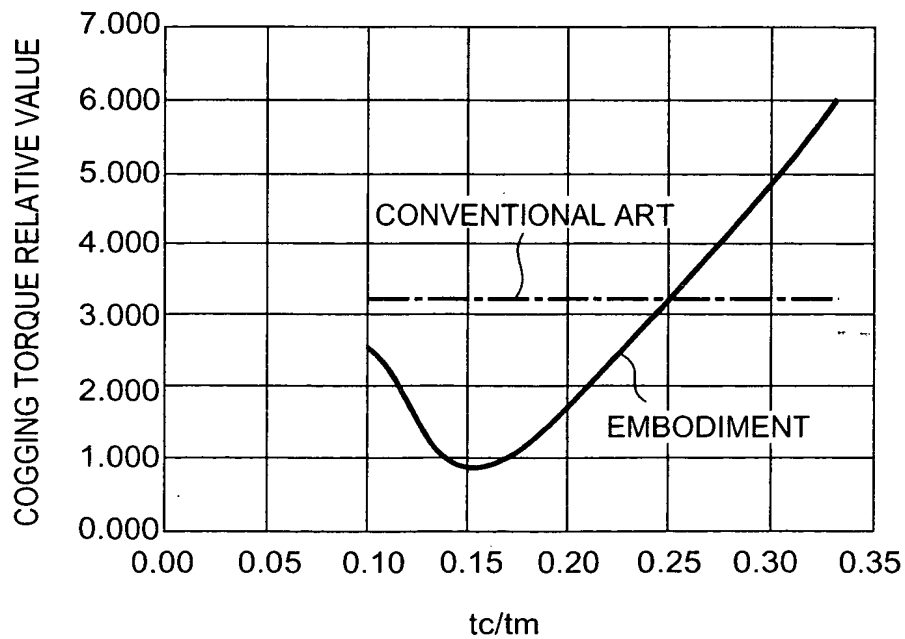


Fig. 6



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Fig. 7

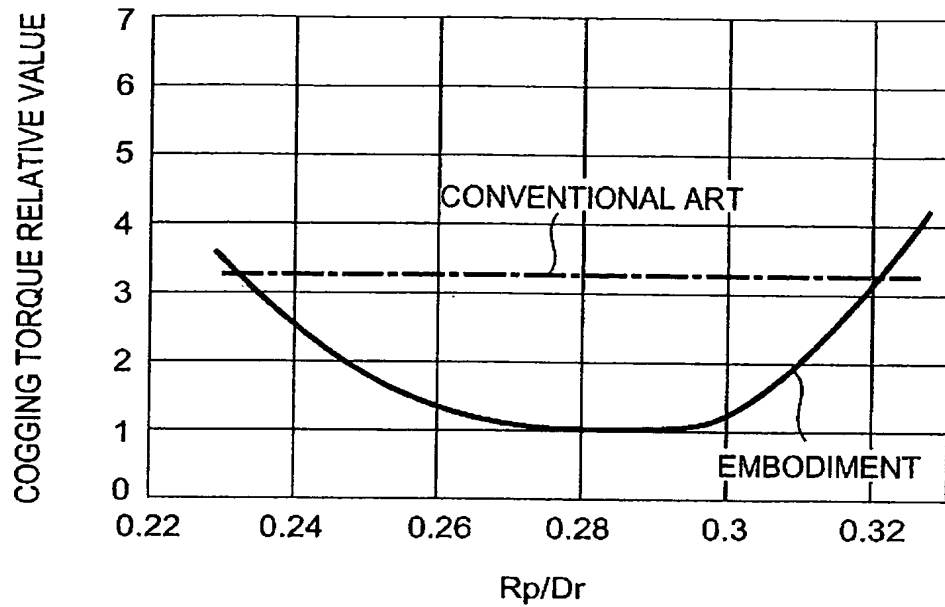


Fig. 8

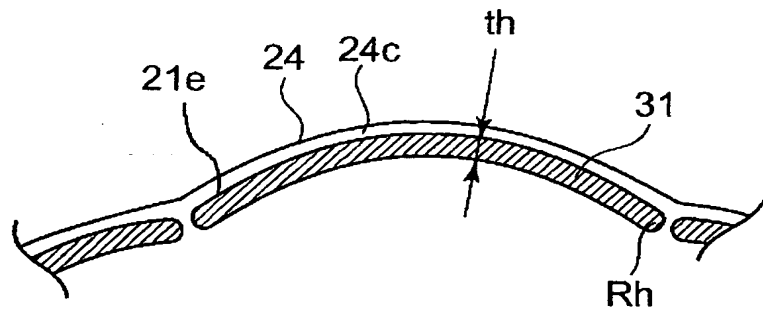


Fig. 9

